Amendments to the Specification, incorporating above the changes, begin on page 7 of this paper.

Amendments to the Specification – Showing Changes to Copied Text.

The following listing recites claimed subject matter, which is then amended – as indicated – in order to conform claim grammar and claim-specific terminology with Specification drafting formality requirements. A further listing of Amendments to the Specification (see separate listing beginning on pg. 7) incorporates the amendments given below.

The following NEW paragraphs are being added after existing paragraph 00011, which begins *"[0011] In accordance with the present invention, the interchange of enterprise data is supported through an open platform. This open platform…"*:

"In one embodiment,~~1. A~~ a method for routing messages from one or more sending services to one or more recipient services across a message interchange network, ~~said~~ the message interchange network being built on an open platform overlaying a public network, wherein at least some of the one or more sending services and the one or more recipient services are managed by different organizational entities, and wherein each sending service and recipient service is accessible according to properties and permissions associated with each of the sending services and recipient services, ~~, comprising:~~ The method comprises (a) receiving a message from a sending service, ~~said~~ the message including a header element and at least one of: a body element including one or more documents that a sending service is sending to a recipient service, and an attachment including one or more documents that a sending service is sending to a recipient service, ; The method also comprises (b) determining a route path for delivery of ~~said~~ the message to ~~said~~ the one or more recipient services, ~~said~~ the route path including one or more in-transit services, ~~said~~ the determining being based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting ~~said~~ the determining of ~~said~~ the route path during a logical routing of ~~said~~ the message represented by ~~said~~ the evaluation, ~~; and~~ The method also comprises (c) delivering ~~said~~ the message to an in-transit service in ~~said~~ the route path, wherein ~~said~~ the in-transit service performs an identifiable operation on ~~said~~ the message as ~~said~~ the message travels from a sending service to a recipient

service, the identifiable operation altering the content of the message to ensure that the message has the proper format for the recipient service.

In another embodiment, ~~32. (Previously Presented) A~~ a message routing system~~, comprising:~~ comprises a message routing network built on an open platform overlaying a public network and providing for application integration as a service, ~~, said~~ The message routing network ~~enabling~~ enables routing of messages between a sending service and one or more recipient services, wherein at least some of the one or more sending services and the one or more recipient services are managed by different organizational entities, ~~, said~~ The message routing network further ~~enabling~~ enables inclusion of a plurality of in-transit services into ~~said~~ the message routing network, wherein an in-transit service can be selectively included in a routing for a message based upon an identifiable type of processing that ~~said~~ the in-transit service can perform on said message, ~~,~~ The message routing network also enables a route path defining delivery of ~~said~~ the message to ~~said~~ the one or more recipient services, ~~said~~ the route path including one or more of the in-transit services, ~~,~~ ~~said~~ The message routing network also enables the route path to be determined based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting said determining of ~~said~~ the route path during a logical routing of ~~said~~ the message represented by ~~said~~ the evaluation.

In another embodiment, ~~51. (Previously Presented) A~~ a computer program product~~,~~ stored on a machine-readable medium~~,~~ provides for routing messages from one or more sending services to one or more recipient services across a message interchange network, ~~, said~~ The message interchange network ~~being~~ is built on an open platform overlaying a public network and ~~providing~~ provides for application integration as a service, wherein at least some of the one or more sending services and the one or more recipient services are managed by different organizational entities, and wherein each sending service and recipient service is accessible according to properties and permissions associated with each of the sending services and recipient services, ~~, comprising~~ The computer program product comprises instructions operable to cause a computer to~~:~~ receive a message from a sending service, ~~said~~ the message including a

header element and at least one of: a body element including one or more documents that a sending service is sending to a recipient service, and an attachment including one or more documents that a sending service is sending to a recipient service, ~~.~~ ; The computer program product also comprises instructions operable to cause a computer to determine a route path for delivery of ~~said~~ the message to ~~said~~ the one or more recipient services, ~~said~~ the route path including one or more in-transit services, ~~, said~~ The determining ~~being~~ is based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting ~~said~~ the determining of ~~said~~ the route path during a logical routing of ~~said~~ the message represented by ~~said~~ the evaluation, ~~; and~~ The computer program product also comprises instructions operable to cause a computer to deliver ~~said~~ the message to an in-transit service in ~~said~~ the route path, wherein ~~said~~ the in-transit service has been created to perform an identifiable operation on ~~said~~ the message as ~~said~~ the message travels from a sending service to a recipient service, the identifiable operation altering the content of the message to ensure that the message has the proper format for the recipient service.

In another embodiment, ~~52. (Previously Presented) A~~ a message routing network method, ~~comprising:~~ comprises (a) receiving a registration request from a service for inclusion in a message routing network, ~~said~~ the message routing network being built on an open platform overlaying a public network and providing for application integration as a service, ~~said~~ the service being operative to provide a data operation according to properties and permissions associated with ~~said~~ the service, ~~;~~ The message routing network method also comprises (b) including ~~said~~ the service in a directory of services, ~~said~~ the directory of services enabling users of ~~said~~ the message routing network to define at least a portion of a desired data processing on a message, ~~; and~~ The message routing network method also comprises (c) determining a route path for delivery of a message to one or more recipient services, ~~said~~ the route path including one or more in-transit services, ~~said~~ the determining being based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by

one or more in-transit services, such that each service is capable of independently affecting ~~said~~ the determining of ~~said~~ the route path during a logical routing of ~~said~~ the message represented by ~~said~~ the evaluation.

In another embodiment, ~~63. (Previously Presented) A~~ a computer program product, stored on a ~~machine readable~~computer-usable medium~~, comprising~~ comprises instructions operable to cause a computer to~~:~~ receive a registration request from a service for inclusion in a message routing network, ~~said~~ the message routing network being built on an open platform overlaying a public network and providing for application integration as a service, ~~said~~ the service being operative to provide a data operation according to properties and permissions associated with ~~said~~ the service~~,~~ ; The computer program product also comprises instructions operable to cause a computer to include said service in a directory of services, ~~said~~ the directory of services enabling users of ~~said~~ the message routing network to define at least a portion of a desired data processing on a message~~,~~ ~~;~~ ~~and~~ The computer program product also comprises instructions operable to cause a computer to determine a route path for delivery of a message to one or more recipient services, ~~said~~ the route path including one or more in-transit services, ~~said~~ the determining being based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting ~~said~~ the determining of ~~said~~ the route path during a logical routing of ~~said~~ the message represented by ~~said~~ the evaluation.

In another embodiment, ~~64. (Previously Presented) A~~ a message routing system~~, comprising:~~ comprises a message routing network having an interface that enables a plurality of services to post messages to and receive messages from ~~said~~ the message routing network~~,~~ ~~, said~~ The message routing network ~~being~~ is built on an open platform overlaying a public network and ~~providing~~ provides for application integration as a service~~,~~ ~~, wherein at~~ At least some of the one or more sending services and the one or more recipient services are managed by different organizational entities, and ~~wherein~~ each sending service and recipient service is accessible according to properties and permissions associated with each of the sending services and recipient services~~,~~ ~~, at~~ At least a portion of ~~said~~ the plurality of services ~~providing~~ provides a

menu of data operations that can be selectively applied to a message traversing ~~said~~ the message routing network, and a route path ~~defining~~ defines delivery of a message to ~~said~~ the one or more recipient services, ~~said~~ the route path including one or more in-transit services, ~~, said~~ The route path is determined based on an evaluation of two or more routing scripts selected from ~~the~~ a group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting ~~said~~ the determining of ~~said~~ the route path during a logical routing of ~~said~~ the message represented by ~~said~~ the evaluation."

Amendments to the Specification – Incorporating Changes to Text.

Please ADD the following NEW paragraphs after existing paragraph 00011, which begins *"[0011] In accordance with the present invention, the interchange of enterprise data is supported through an open platform. This open platform…"*:

"In one embodiment a method for routing messages from one or more sending services to one or more recipient services across a message interchange network, the message interchange network being built on an open platform overlaying a public network, wherein at least some of the one or more sending services and the one or more recipient services are managed by different organizational entities, and wherein each sending service and recipient service is accessible according to properties and permissions associated with each of the sending services and recipient services. The method comprises (a) receiving a message from a sending service, ~~said~~ the message including a header element and at least one of: a body element including one or more documents that a sending service is sending to a recipient service, and an attachment including one or more documents that a sending service is sending to a recipient service. ; The method also comprises (b) determining a route path for delivery of the message to the one or more recipient services, the route path including one or more in-transit services, the determining being based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting the determining of the route path during a logical routing of the message represented by the evaluation. The method also comprises (c) delivering the message to an in-transit service in the route path, wherein the in-transit service performs an identifiable operation on the message as the message travels from a sending service to a recipient service, the identifiable operation altering the content of the message to ensure that the message has the proper format for the recipient service.

In another embodiment, a message routing system comprises a message routing network built on an open platform overlaying a public network and providing for application integration as a

service. The message routing network enables routing of messages between a sending service and one or more recipient services, wherein at least some of the one or more sending services and the one or more recipient services are managed by different organizational entities. The message routing network further enables inclusion of a plurality of in-transit services into the message routing network, wherein an in-transit service can be selectively included in a routing for a message based upon an identifiable type of processing that the in-transit service can perform on said message. The message routing network also enables a route path defining delivery of the message to the one or more recipient services, the route path including one or more of the in-transit services. The message routing network also enables the route path to be determined based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting said determining of the route path during a logical routing of the message represented by the evaluation.

In another embodiment, a computer program product stored on a machine-readable medium, provides for routing messages from one or more sending services to one or more recipient services across a message interchange network. The message interchange network is built on an open platform overlaying a public network and provides for application integration as a service, wherein at least some of the one or more sending services and the one or more recipient services are managed by different organizational entities, and wherein each sending service and recipient service is accessible according to properties and permissions associated with each of the sending services and recipient services. The computer program product comprises instructions operable to cause a computer to: receive a message from a sending service, the message including a header element and at least one of: a body element including one or more documents that a sending service is sending to a recipient service, and an attachment including one or more documents that a sending service is sending to a recipient service. The computer program product also comprises instructions operable to cause a computer to determine a route path for delivery of the message to the one or more recipient services, the route path including one or more in-transit services. The determining is based on an evaluation of two or more routing

scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting the determining of the route path during a logical routing of the message represented by the evaluation. The computer program product also comprises instructions operable to cause a computer to deliver the message to an in-transit service in the route path, wherein the in-transit service has been created to perform an identifiable operation on the message as the message travels from a sending service to a recipient service, the identifiable operation altering the content of the message to ensure that the message has the proper format for the recipient service.

In another embodiment, a message routing network method, comprises (a) receiving a registration request from a service for inclusion in a message routing network, ~~said~~ the message routing network being built on an open platform overlaying a public network and providing for application integration as a service, the service being operative to provide a data operation according to properties and permissions associated with the service. The message routing network method also comprises (b) including the service in a directory of services, the directory of services enabling users of the message routing network to define at least a portion of a desired data processing on a message. The message routing network method also comprises (c) determining a route path for delivery of a message to one or more recipient services, ~~said~~ the route path including one or more in-transit services, the determining being based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting the determining of the route path during a logical routing of the message represented by the evaluation.

In another embodiment, a computer program product, stored on a computer-usable medium comprises instructions operable to cause a computer to receive a registration request from a service for inclusion in a message routing network, the message routing network being built on an open platform overlaying a public network and providing for application integration as a service, the service being operative to provide a data operation according to properties and

permissions associated with the service. The computer program product also comprises instructions operable to cause a computer to include said service in a directory of services, the directory of services enabling users of the message routing network to define at least a portion of a desired data processing on a message. The computer program product also comprises instructions operable to cause a computer to determine a route path for delivery of a message to one or more recipient services, the route path including one or more in-transit services, the determining being based on an evaluation of two or more routing scripts selected from the group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting the determining of the route path during a logical routing of the message represented by the evaluation.

In another embodiment, a message routing system comprises a message routing network having an interface that enables a plurality of services to post messages to and receive messages from the message routing network. The message routing network is built on an open platform overlaying a public network and provides for application integration as a service. At least some of the one or more sending services and the one or more recipient services are managed by different organizational entities, and each sending service and recipient service is accessible according to properties and permissions associated with each of the sending services and recipient services. At least a portion of the plurality of services provides a menu of data operations that can be selectively applied to a message traversing ~~said~~ the message routing network, and a route path defines delivery of a message to the one or more recipient services, ~~said~~ the route path including one or more in-transit services. The route path is determined based on an evaluation of two or more routing scripts selected from a group consisting of: a routing script defined by a sending service, a routing script defined by a recipient service, and one or more routing scripts defined by one or more in-transit services, such that each service is capable of independently affecting the determining of the route path during a logical routing of the message represented by the evaluation."